

## **ABSTRACT OF THE DISCLOSURE**

A computer system includes a computer processor, an operating system operative in connection with the computer processor, and a display responsive to the operating system. The system also has a pointing device that includes a position sensor and a tactile actuator. A pointing device driver is responsive to the position sensor, and the tactile actuator is responsive to the pointing device driver. A general-purpose application is responsive to the pointing device driver and to the operating system and in communication with the display, and the pointing device driver is also responsive to the general purpose application. The system further includes a profile that maps region changes associated with material displayed on the screen to tactile signals to be sent to the tactile actuator.

ଡକ୍ଟର କର୍ମଚାରୀ ଏବଂ କର୍ମଚାରୀଙ୍କ ପରିବାର